

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082515\
 Data File : BF081213.D
 Acq On : 25 Aug 2015 22:41
 Operator : UM/IZ
 Sample : G3407-10 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 00:10:20 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 24 13:58:19 2015
 Response via : Initial Calibration

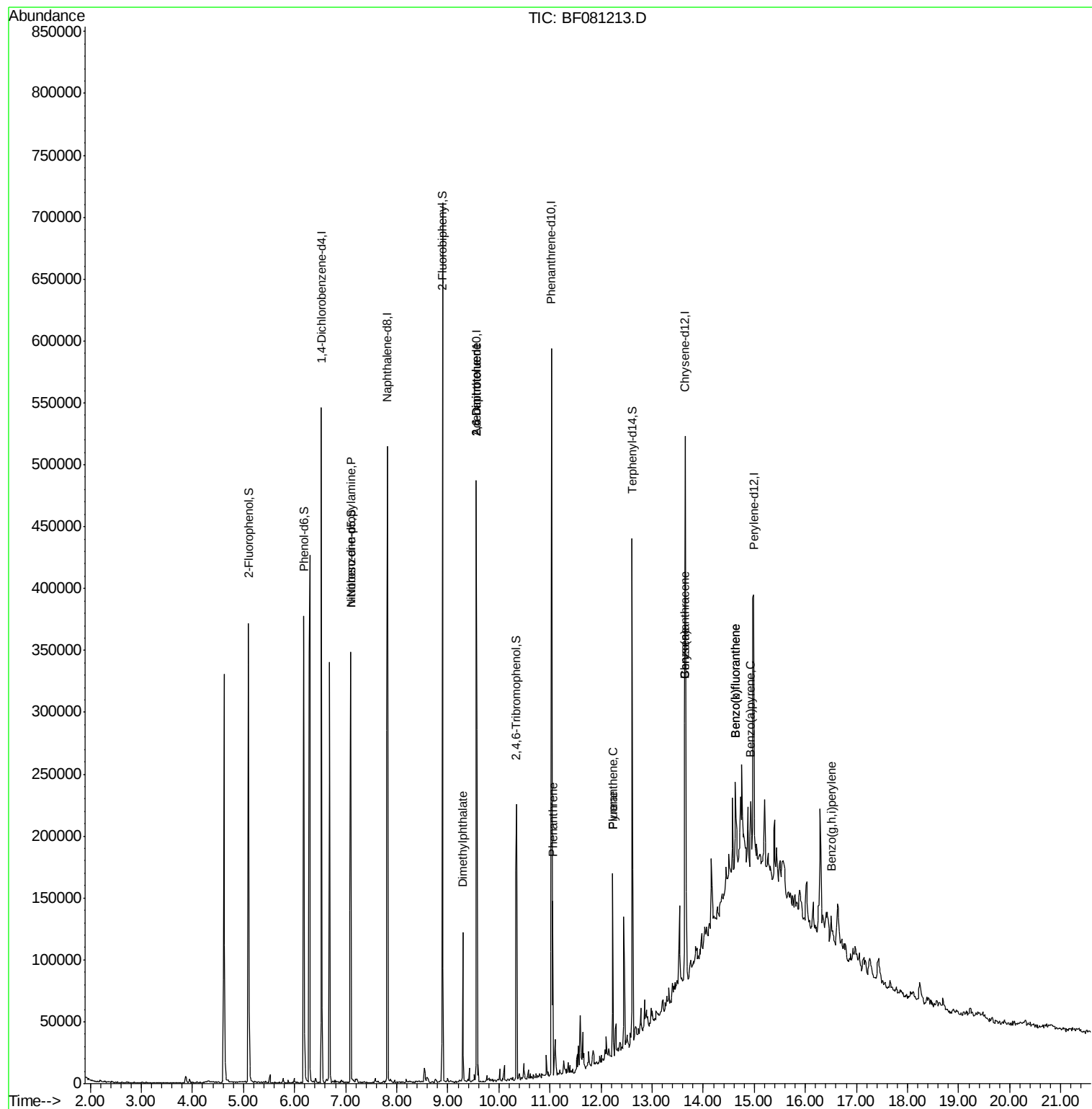
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.53	152	69770	20.00	ng	-0.01
21) Naphthalene-d8	7.82	136	267004	20.00	ng	-0.01
38) Acenaphthene-d10	9.56	164	109576	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	198408	20.00	ng	-0.01
75) Chrysene-d12	13.65	240	139488	20.00	ng	-0.01
86) Perylene-d12	14.99	264	113044	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	141311	30.46	ng	0.00
7) Phenol-d6	6.18	99	188066	31.07	ng	-0.01
23) Nitrobenzene-d5	7.10	82	114091	19.52	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	26506	27.91	ng	-0.01
44) 2-Fluorobiphenyl	8.89	172	190280	22.75	ng	-0.01
78) Terphenyl-d14	12.61	244	119035	18.29	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.10	70	15247	3.64	ng	Qvalue # 68
49) Dimethylphthalate	9.29	163	40731	4.51	ng	100
50) 2,6-Dinitrotoluene	9.56	165	14133	7.29	ng	# 20
56) 2,4-Dinitrotoluene	9.56	165	14133	5.50	ng	# 16
70) Phenanthrene	11.05	178	46106	3.92	ng	100
74) Fluoranthene	12.23	202	59282	4.67	ng	97
77) Pyrene	12.23	202	59282	5.23	ng	97
80) Benzo(a)anthracene	13.64	228	22390	2.39	ng	93
82) Chrysene	13.64	228	22390	2.66	ng	96
87) Benzo(b)fluoranthene	14.63	252	36260	4.53	ng	# 89
88) Benzo(k)fluoranthene	14.63	252	36806	4.94	ng	# 93
89) Benzo(a)pyrene	14.93	252	19754	2.84	ng	# 87
91) Benzo(a,h,i)perylene	16.51	276	11602	2.11	ng	# 87

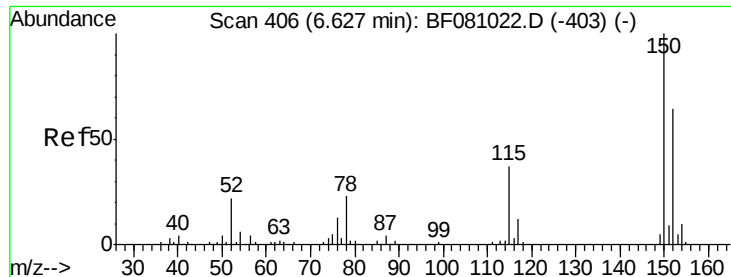
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082515\
Data File : BF081213.D
Acq On : 25 Aug 2015 22:41
Operator : UM/IZ
Sample : G3407-10 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 26 00:10:20 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 24 13:58:19 2015
Response via : Initial Calibration



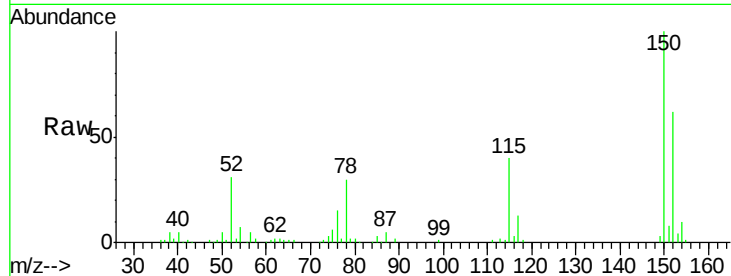


#1

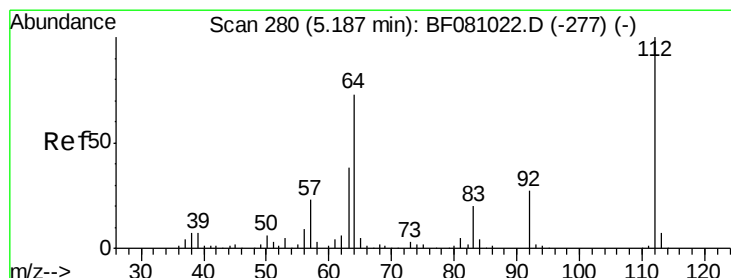
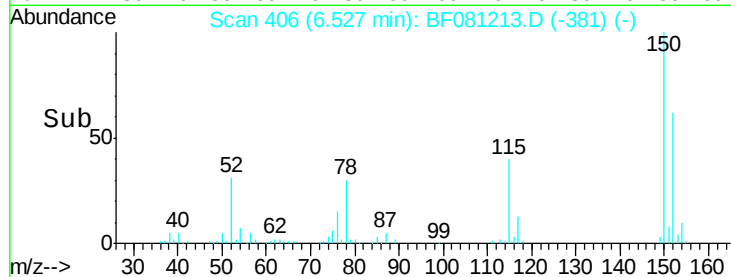
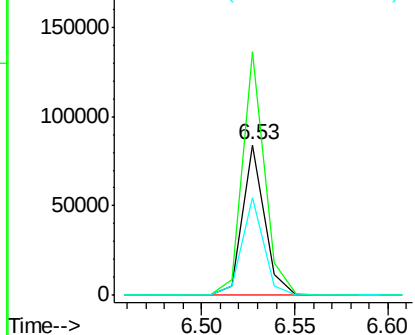
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.53 min Scan# 406
Delta R.T. -0.01 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 69770
Ion Ratio Lower Upper
152 100
150 161.7 123.8 185.6
115 64.9 52.1 78.1



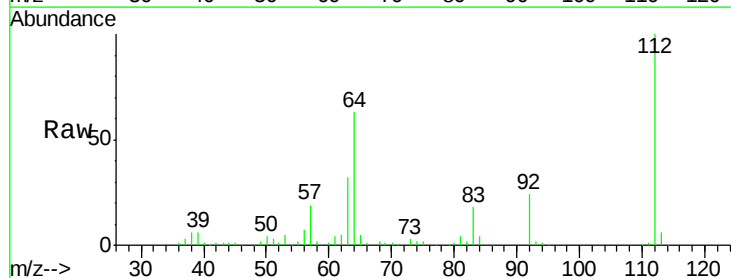
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



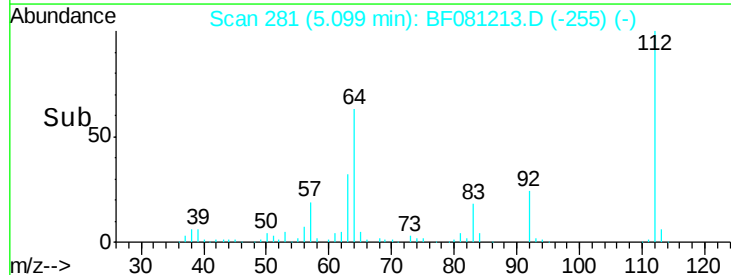
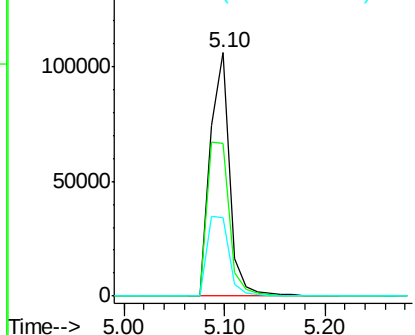
#5

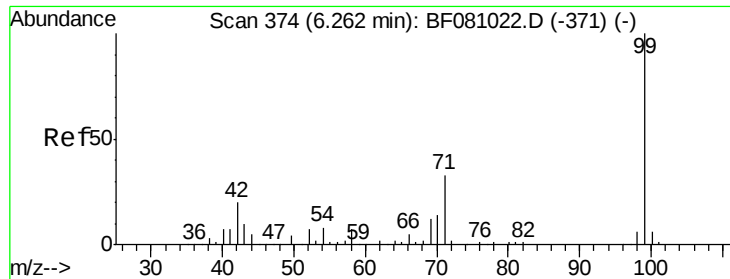
2-Fluorophenol
Concen: 30.46 ng
RT: 5.10 min Scan# 281
Delta R.T. 0.00 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Tgt Ion:112 Resp: 141311
Ion Ratio Lower Upper
112 100
64 62.5 66.9 100.3#
63 32.2 38.1 57.1#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 31.07 ng

RT: 6.18 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF081213.D

Acq: 25 Aug 2015 22:41

Instrument :

BNA_F

ClientSampleId :

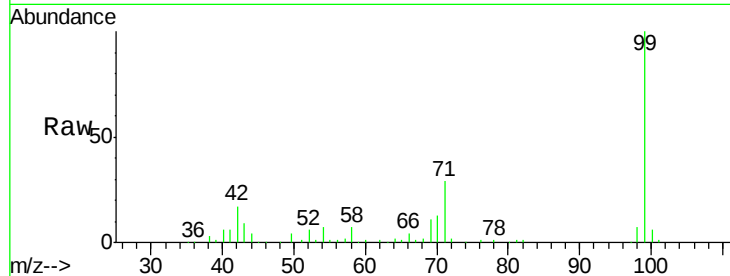
Tot Ion: 99 Resp: 188066

Ion Ratio Lower Upper

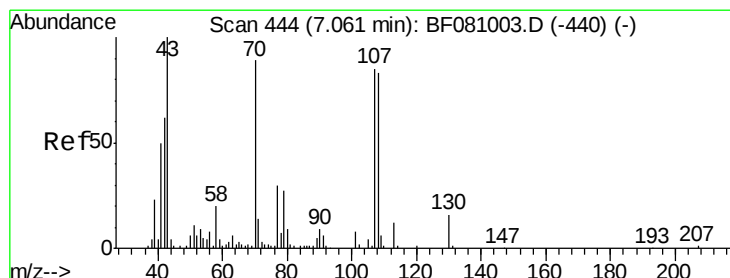
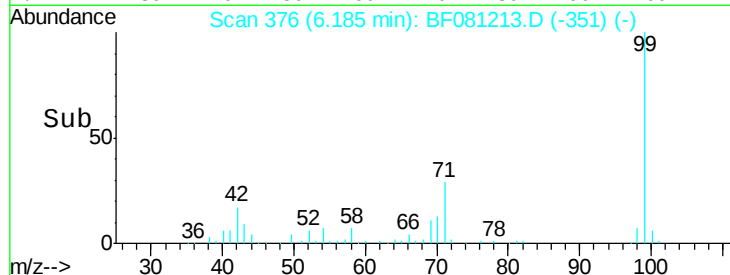
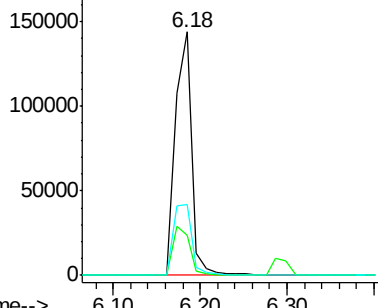
99 100

42 16.5 19.6 29.4#

71 29.0 31.2 46.8#



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 3.64 ng

RT: 7.10 min Scan# 456

Delta R.T. 0.11 min

Lab File: BF081213.D

Acq: 25 Aug 2015 22:41

Tgt Ion: 70 Resp: 15247

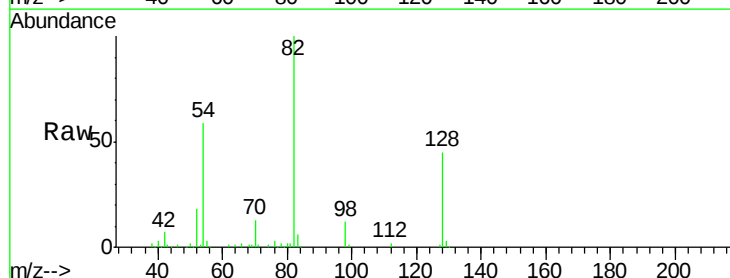
Ion Ratio Lower Upper

70 100

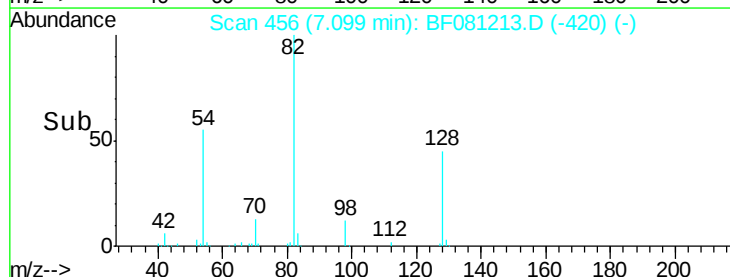
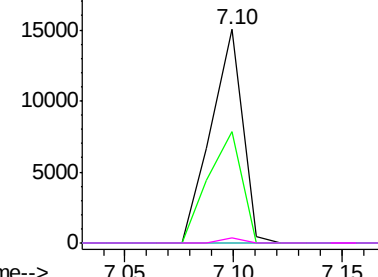
42 52.3 65.0 97.4#

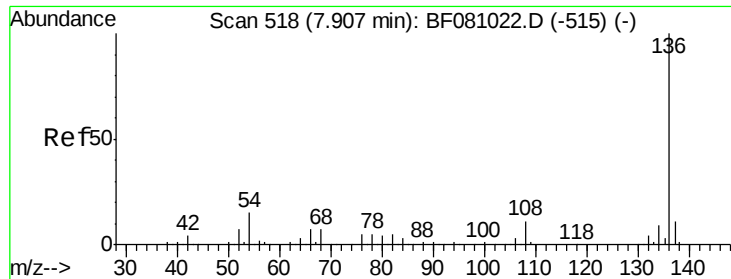
101 0.0 7.4 11.2#

130 2.3 13.0 19.4#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0

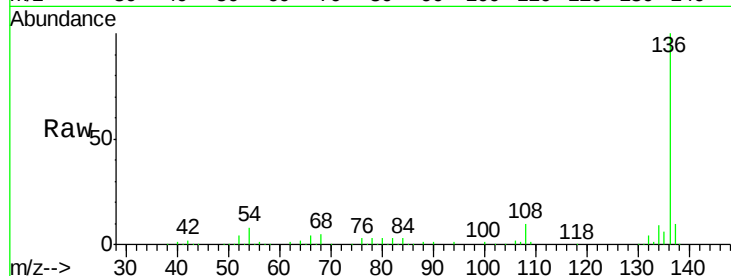




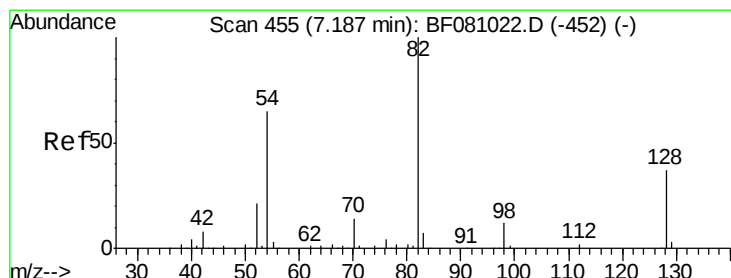
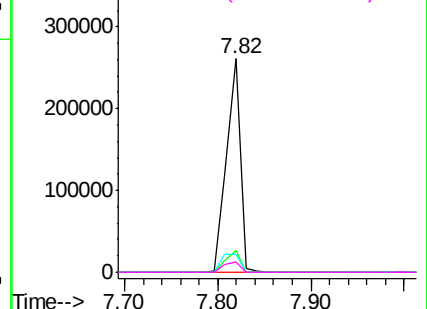
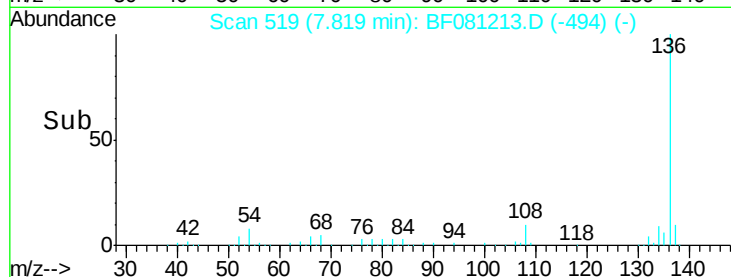
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.82 min Scan# 519
Delta R.T. -0.01 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	267004
Ion	Ratio	Lower Upper
136	100	
137	10.5	8.2 12.2
54	8.2	7.7 11.5
68	4.8	3.4 5.2

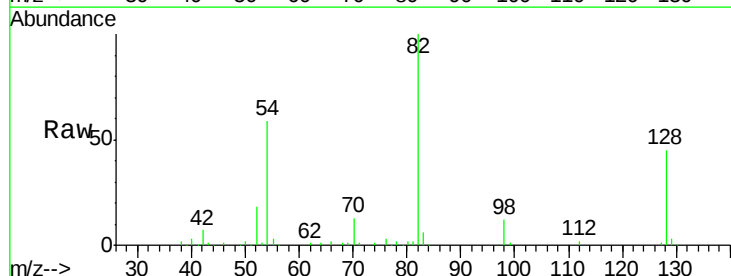


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

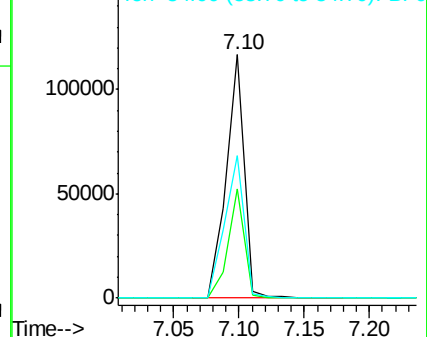
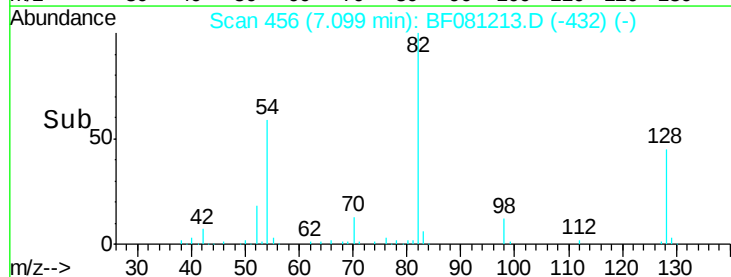


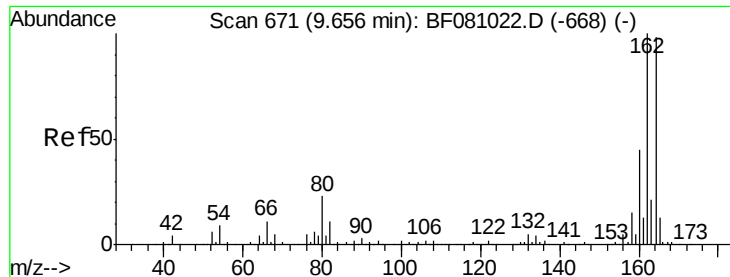
#23
Nitrobenzene-d5
Concen: 19.52 ng
RT: 7.10 min Scan# 456
Delta R.T. -0.02 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Tgt Ion: 82	Resp:	114091
Ion	Ratio	Lower Upper
82	100	
128	45.1	28.6 42.8#
54	58.6	55.1 82.7



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

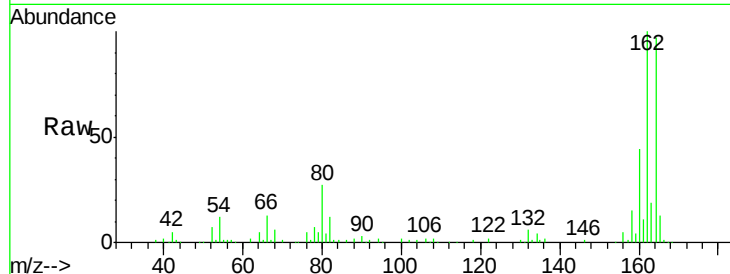




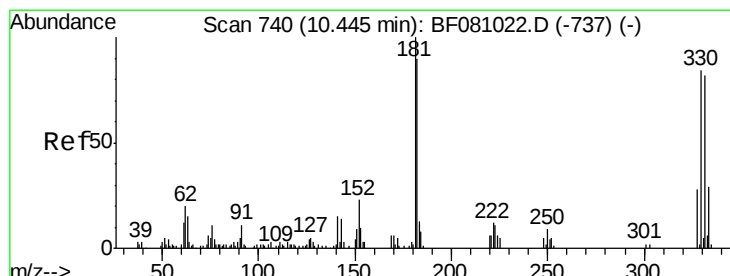
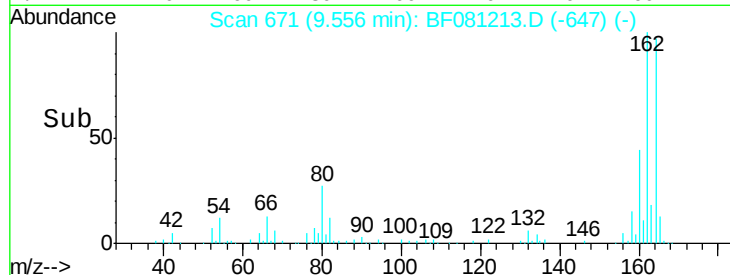
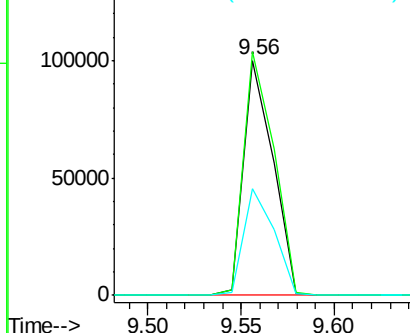
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.56 min Scan# 671
 Delta R.T. -0.02 min
 Lab File: BF081213.D
 Acq: 25 Aug 2015 22:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 109576
 Ion Ratio Lower Upper
 164 100
 162 103.5 83.8 125.8
 160 45.5 39.8 59.8

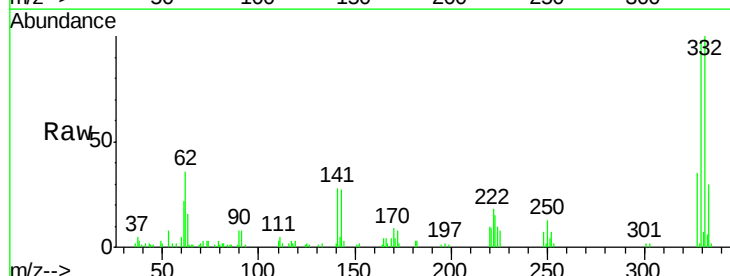


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

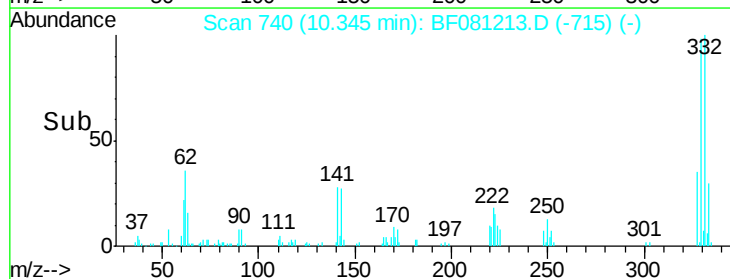
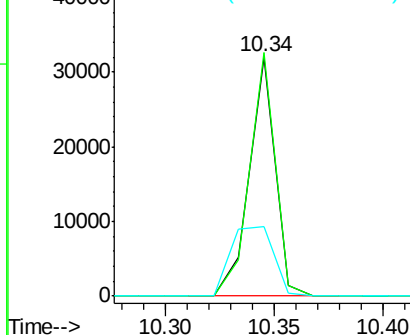


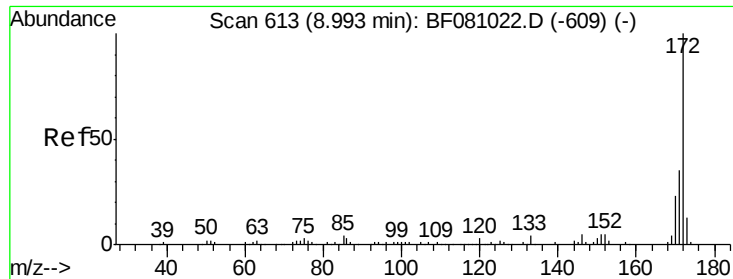
#41
 2,4,6-Tribromophenol
 Concen: 27.91 ng
 RT: 10.34 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF081213.D
 Acq: 25 Aug 2015 22:41

Tgt Ion:330 Resp: 26506
 Ion Ratio Lower Upper
 330 100
 332 100.6 77.3 115.9
 141 48.4 44.9 67.3



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

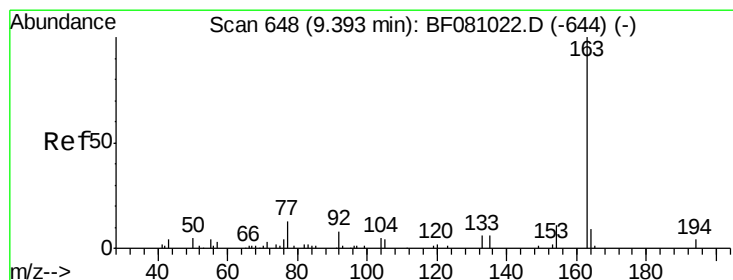
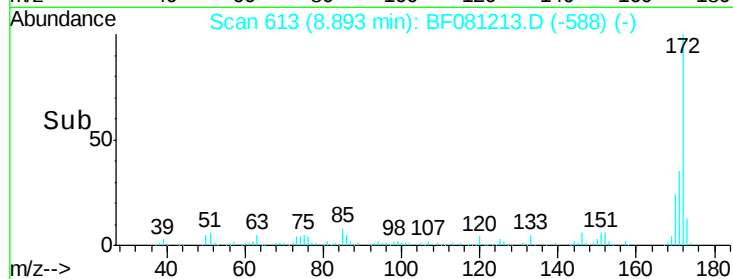
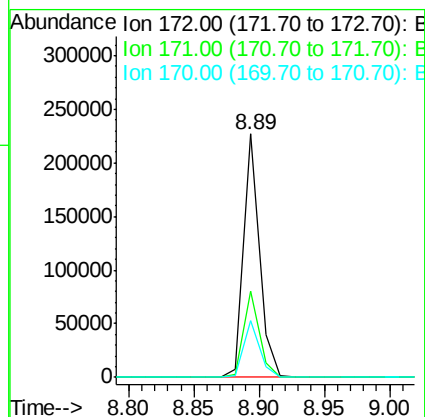
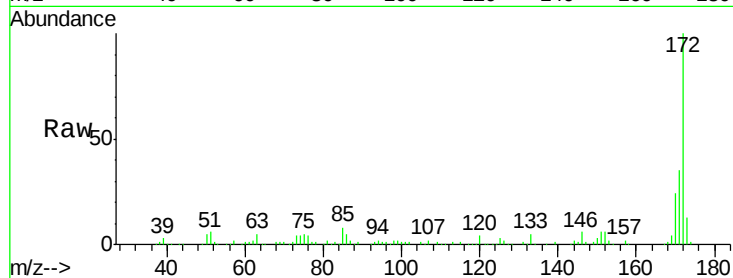




#44
2-Fluorobiphenyl
Concen: 22.75 ng
RT: 8.89 min Scan# 613
Delta R.T. -0.01 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

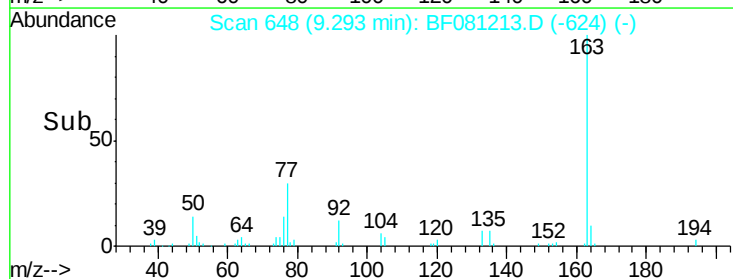
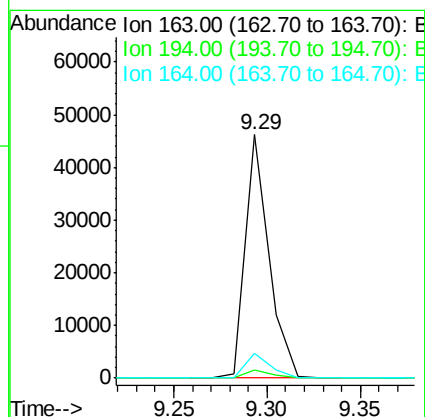
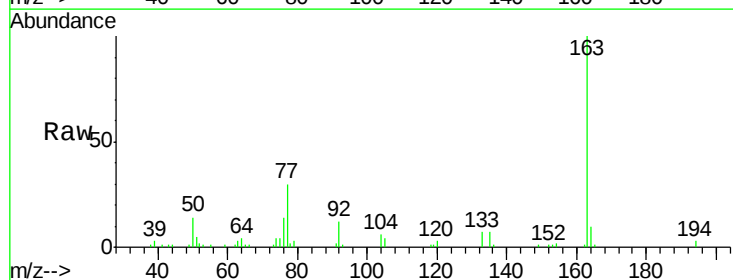
Instrument :
BNA_F
ClientSampleId :

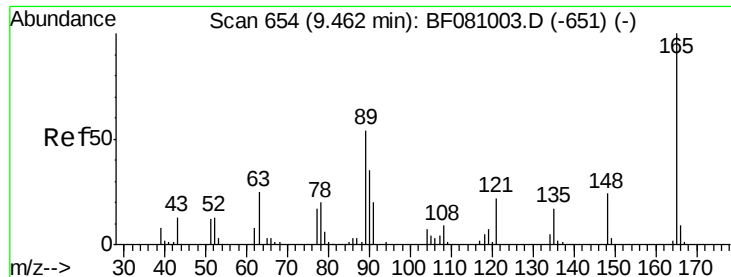
Tot Ion:172 Resp: 190280
Ion Ratio Lower Upper
172 100
171 35.4 28.9 43.3
170 23.5 19.4 29.2



#49
Dimethylphthalate
Concen: 4.51 ng
RT: 9.29 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Tgt Ion:163 Resp: 40731
Ion Ratio Lower Upper
163 100
194 3.1 2.5 3.7
164 10.3 8.1 12.1

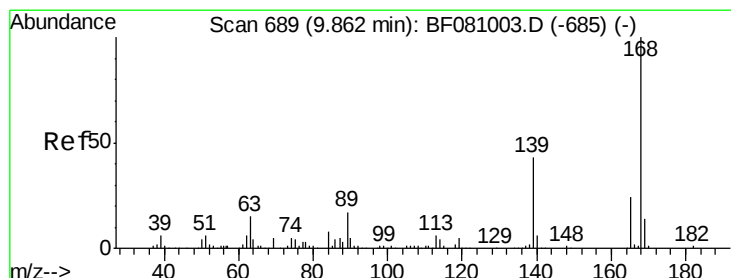
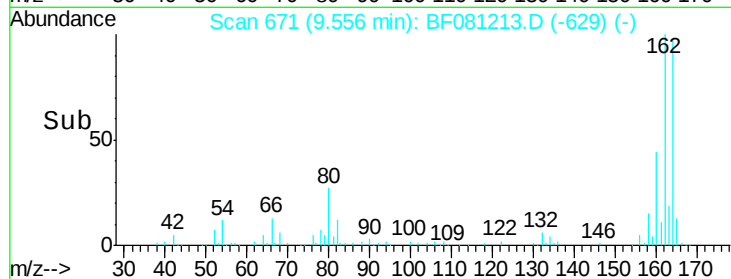
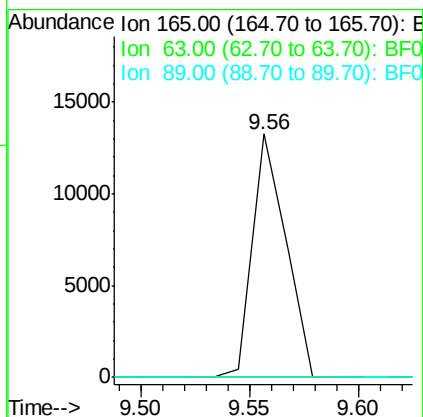
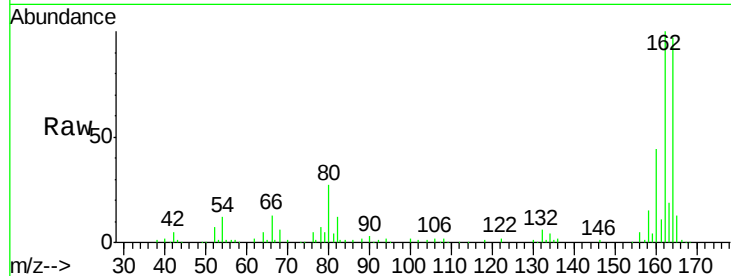




#50
 2,6-Dinitrotoluene
 Concen: 7.29 ng
 RT: 9.56 min Scan# 671
 Delta R.T. 0.18 min
 Lab File: BF081213.D
 Acq: 25 Aug 2015 22:41

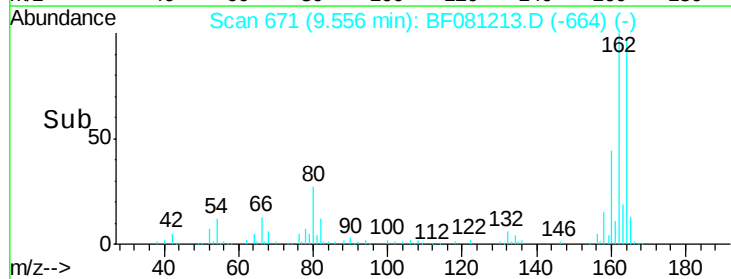
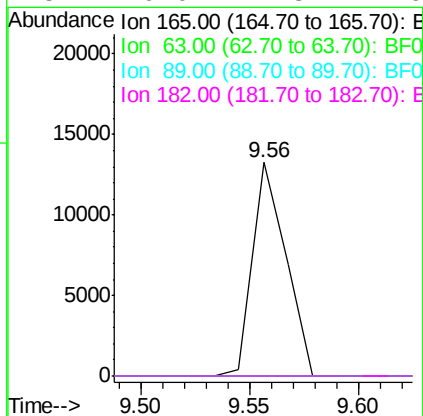
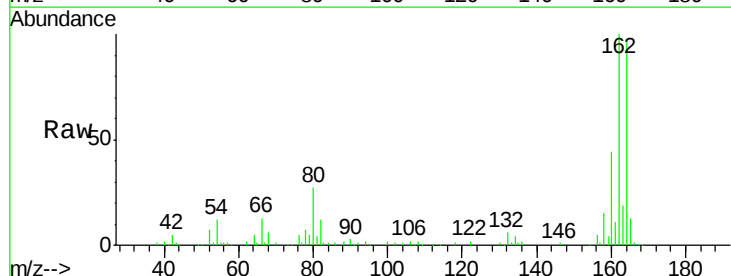
Instrument :
 BNA_F
 ClientSampleId :

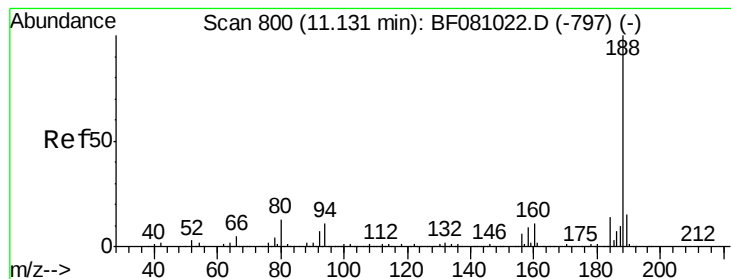
Tot Ion	165	Resp	14133
Ion Ratio	Lower	Upper	
165	100		
63	0.0	49.5	74.3#
89	0.0	47.6	71.4#



#56
 2,4-Dinitrotoluene
 Concen: 5.50 ng
 RT: 9.56 min Scan# 671
 Delta R.T. -0.22 min
 Lab File: BF081213.D
 Acq: 25 Aug 2015 22:41

Tgt Ion	165	Resp	14133
Ion Ratio	Lower	Upper	
165	100		
63	0.0	52.2	78.4#
89	0.0	60.1	90.1#
182	0.0	1.8	2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.03 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF081213.D

Acq: 25 Aug 2015 22:41

Instrument :

BNA_F

ClientSampleId :

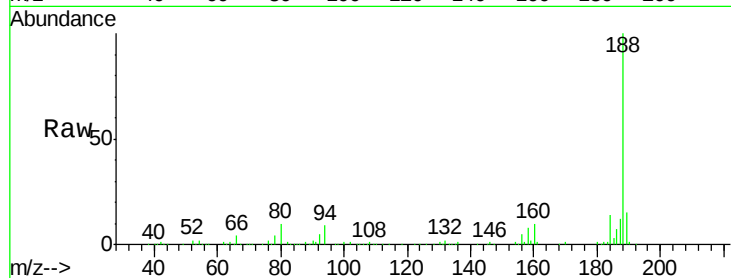
Tot Ion:188 Resp: 198408

Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.2

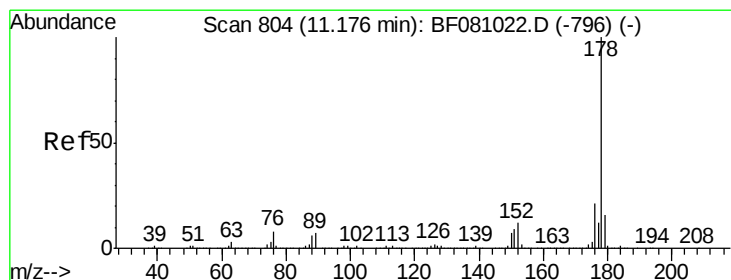
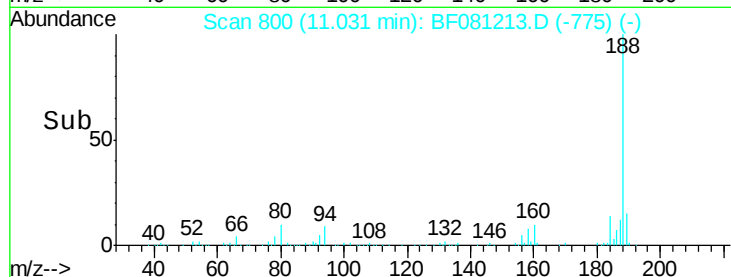
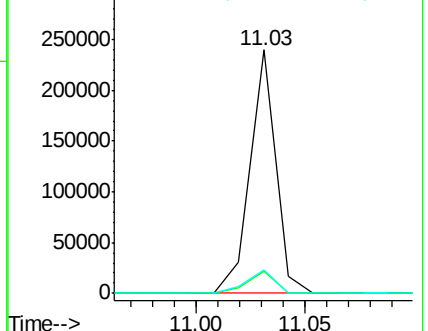
80 9.8 9.5 14.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 3.92 ng

RT: 11.05 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF081213.D

Acq: 25 Aug 2015 22:41

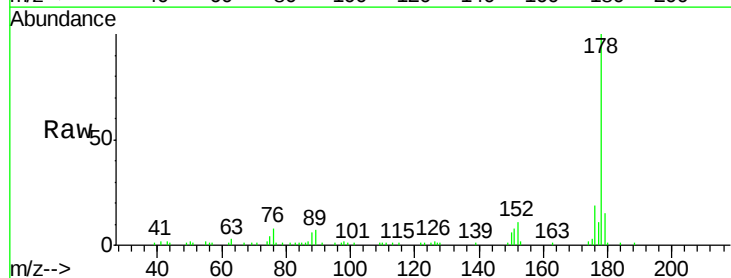
Tgt Ion:178 Resp: 46106

Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

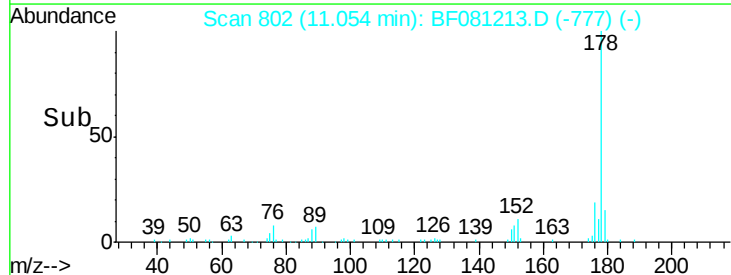
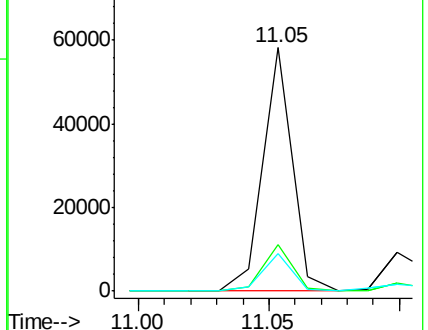
179 15.2 12.2 18.2

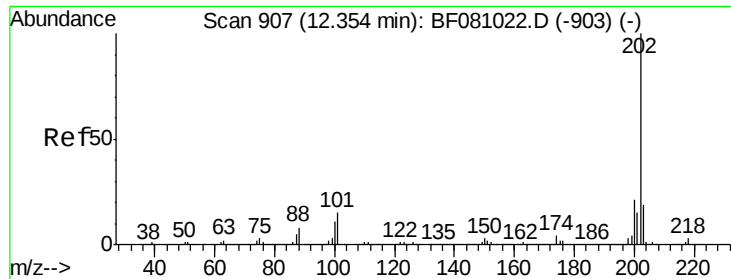


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.67 ng

RT: 12.23 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF081213.D

Acq: 25 Aug 2015 22:41

Instrument :

BNA_F

ClientSampleId :

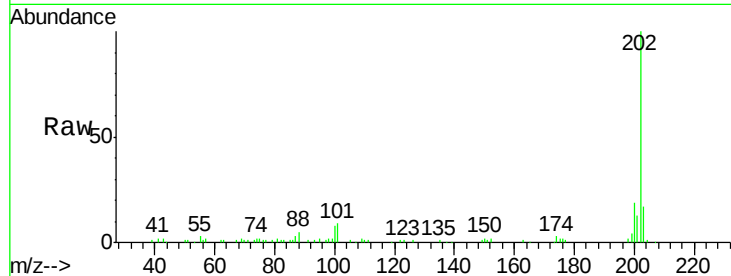
Tot Ion:202 Resp: 59282

Ion Ratio Lower Upper

202 100

101 9.2 0.0 24.8

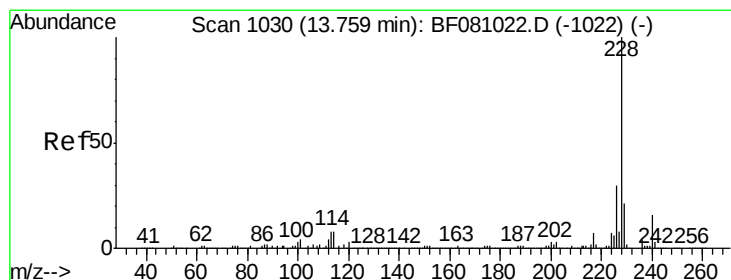
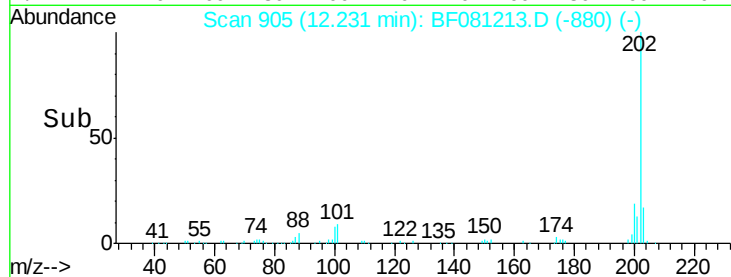
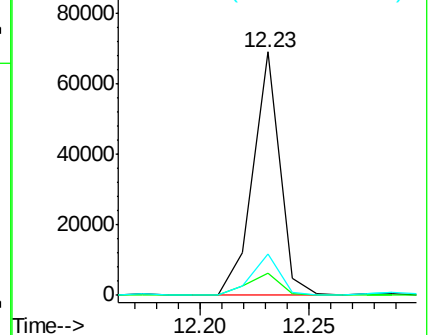
203 16.8 0.0 36.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.65 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF081213.D

Acq: 25 Aug 2015 22:41

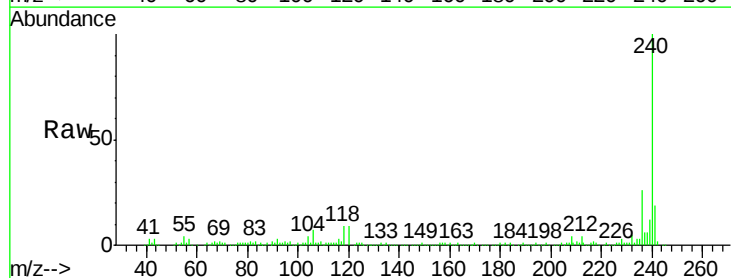
Tgt Ion:240 Resp: 139488

Ion Ratio Lower Upper

240 100

120 9.5 5.6 8.4#

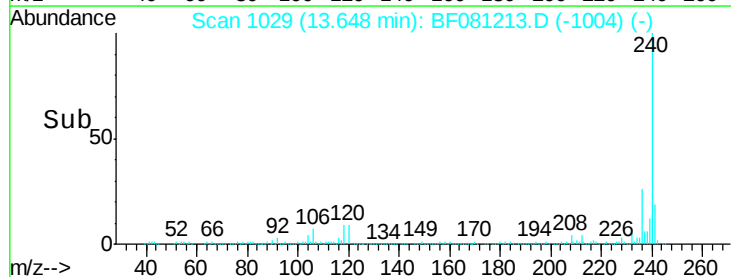
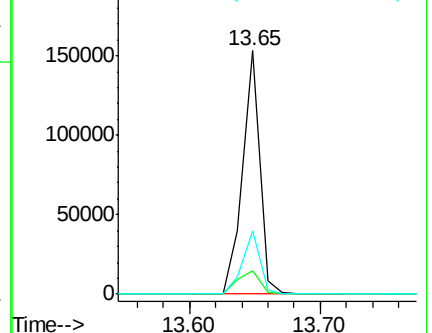
236 25.8 20.6 30.8

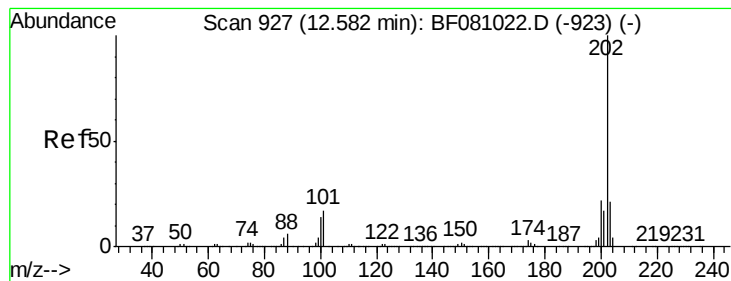


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.23 ng

RT: 12.23 min Scan# 905

Delta R.T. -0.24 min

Lab File: BF081213.D

Acq: 25 Aug 2015 22:41

Instrument :

BNA_F

ClientSampleId :

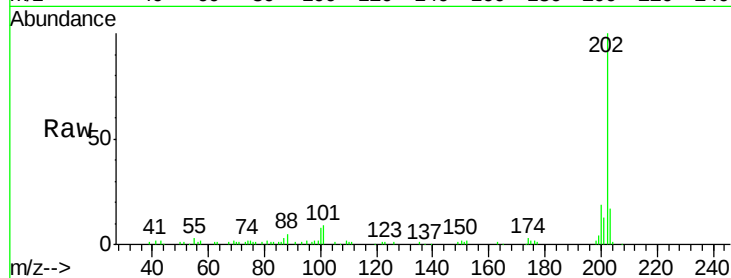
Tot Ion:202 Resp: 59282

Ion Ratio Lower Upper

202 100

200 19.0 16.6 24.8

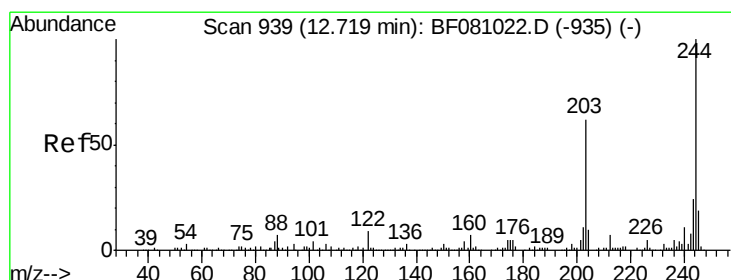
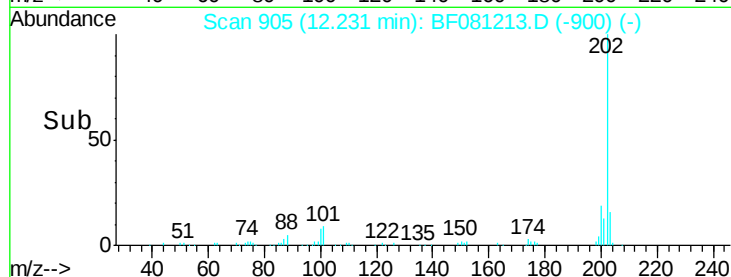
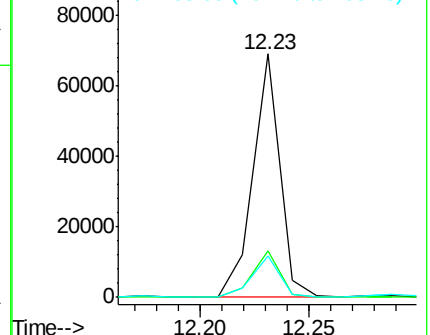
203 16.8 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 18.29 ng

RT: 12.61 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF081213.D

Acq: 25 Aug 2015 22:41

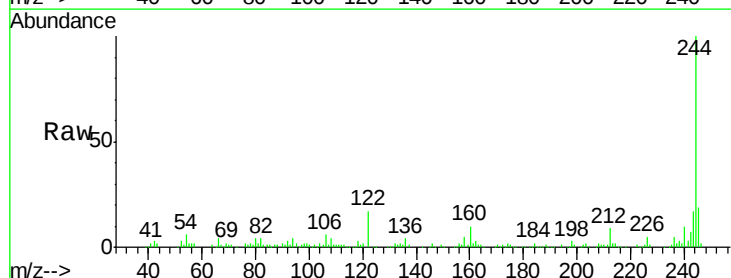
Tgt Ion:244 Resp: 119035

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

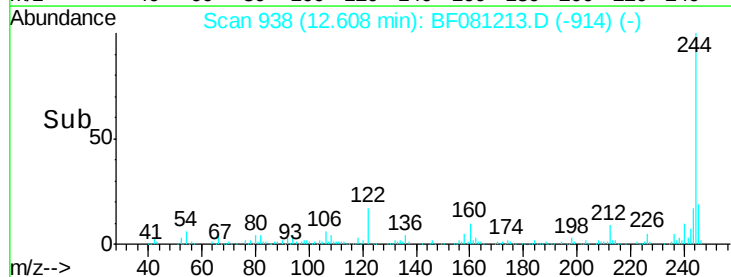
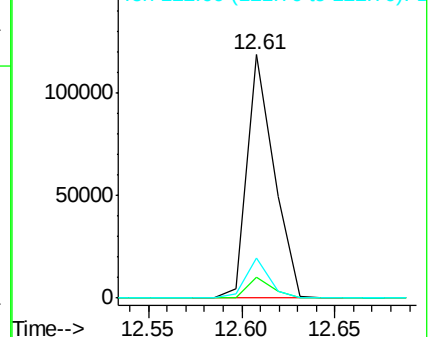
122 16.7 8.2 12.4#

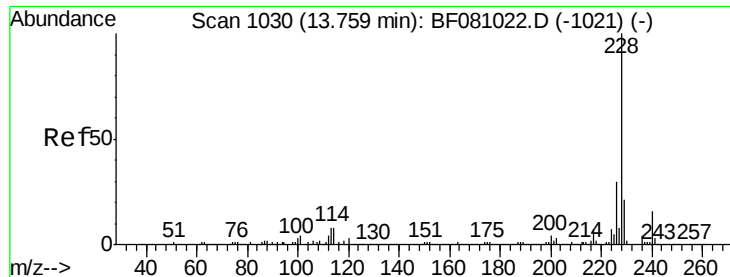


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.39 ng

RT: 13.64 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF081213.D

Acq: 25 Aug 2015 22:41

Instrument :

BNA_F

ClientSampleId :

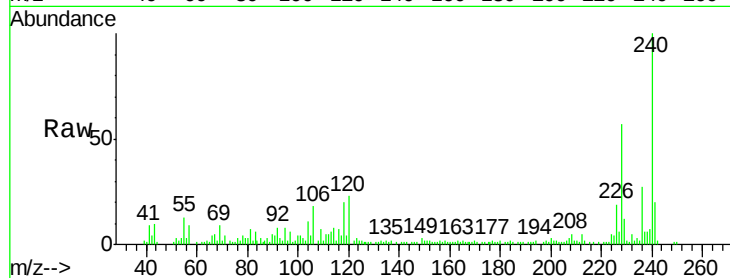
Tot Ion:228 Resp: 22390

Ion Ratio Lower Upper

228 100

226 32.7 22.3 33.5

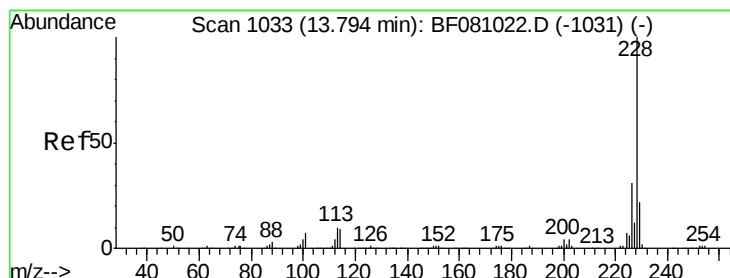
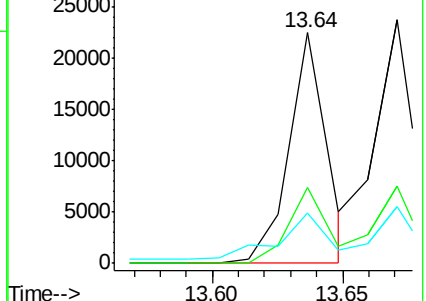
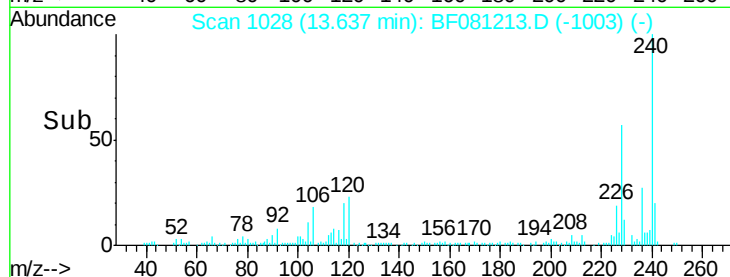
229 22.0 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.66 ng

RT: 13.64 min Scan# 1028

Delta R.T. -0.05 min

Lab File: BF081213.D

Acq: 25 Aug 2015 22:41

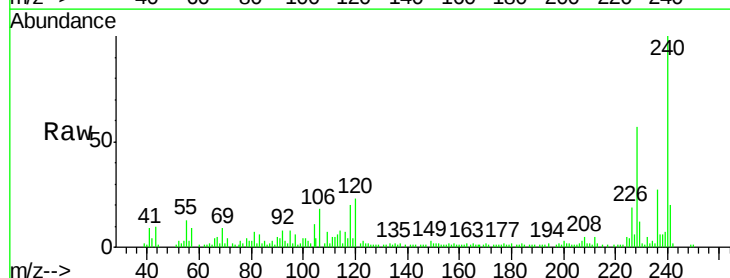
Tgt Ion:228 Resp: 22390

Ion Ratio Lower Upper

228 100

226 32.7 24.4 36.6

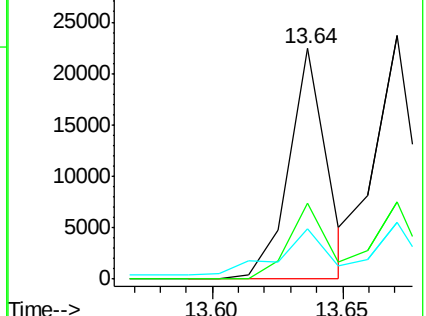
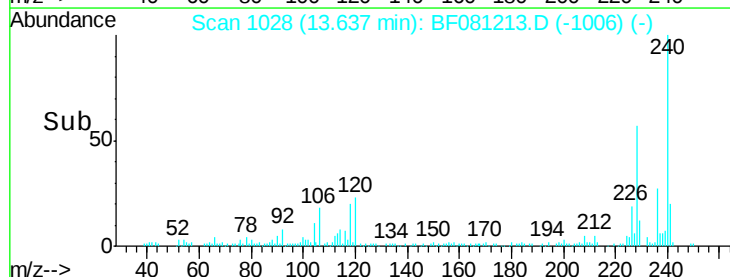
229 22.0 16.0 24.0

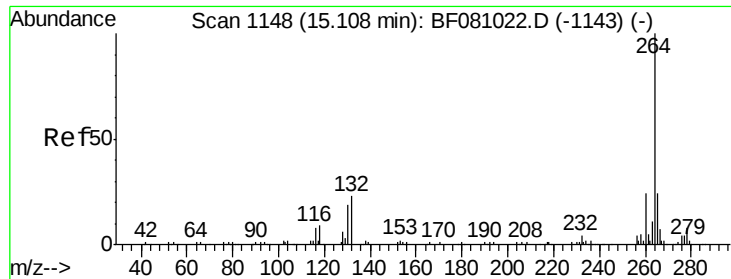


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

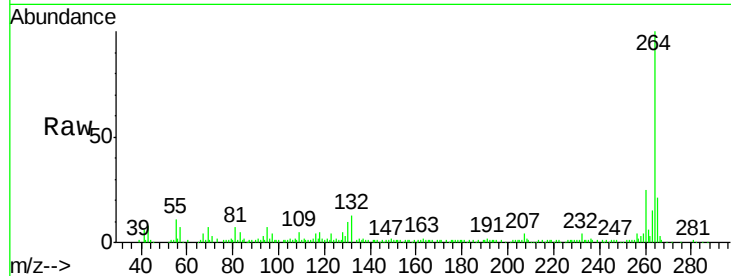




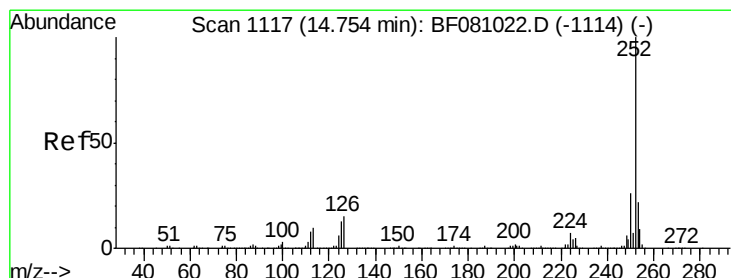
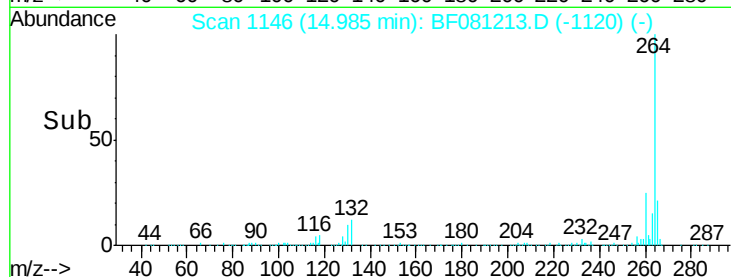
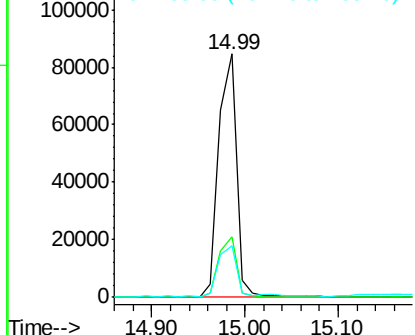
#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.99 min Scan# 1146
Delta R.T. 0.00 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 113044
Ion Ratio Lower Upper
264 100
260 25.0 19.6 29.4
265 21.2 17.5 26.3

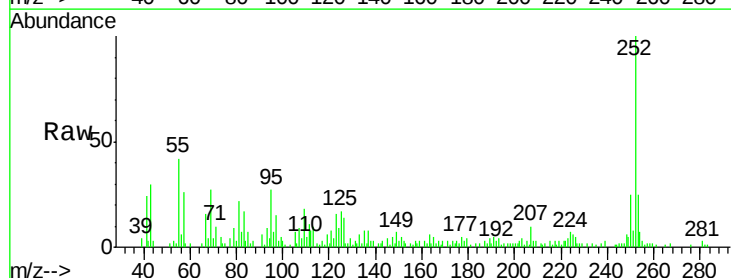


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

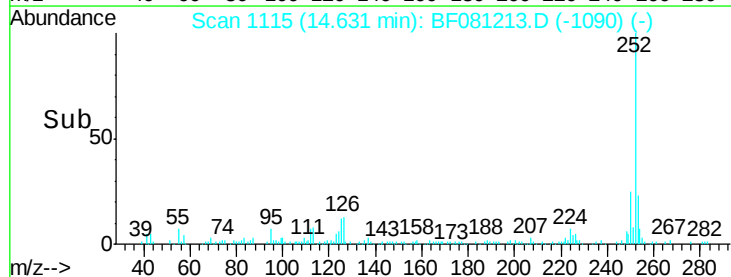
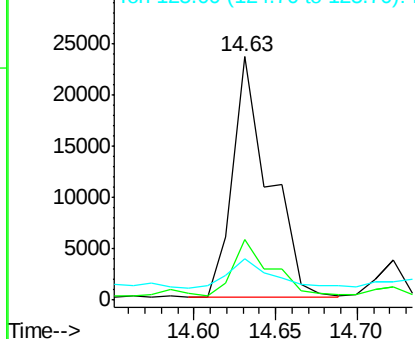


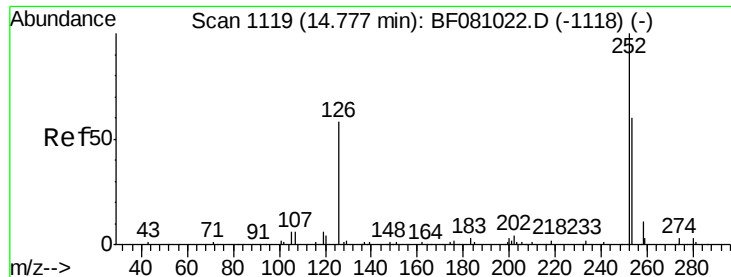
#87
Benzo(b)fluoranthene
Concen: 4.53 ng
RT: 14.63 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Tgt Ion:252 Resp: 36260
Ion Ratio Lower Upper
252 100
253 24.8 17.1 25.7
125 16.9 8.0 12.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

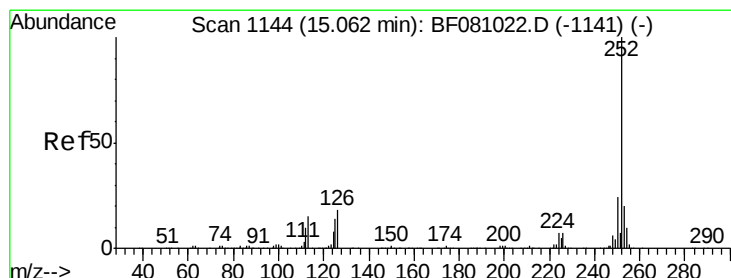
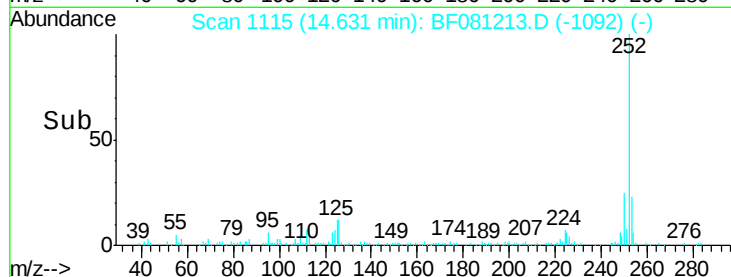
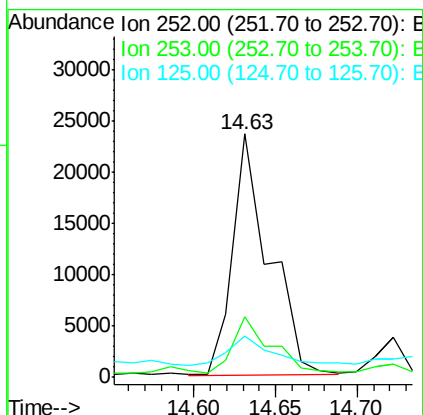
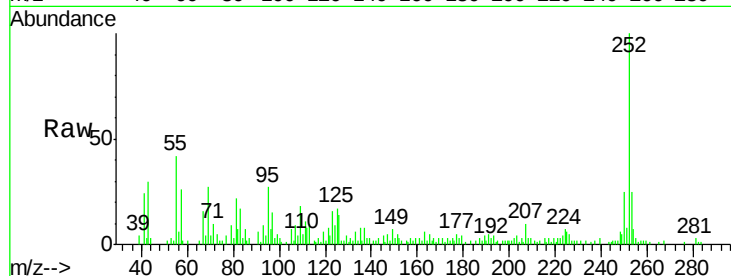




#88
Benzo(k)fluoranthene
Concen: 4.94 ng
RT: 14.63 min Scan# 1115
Delta R.T. -0.03 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

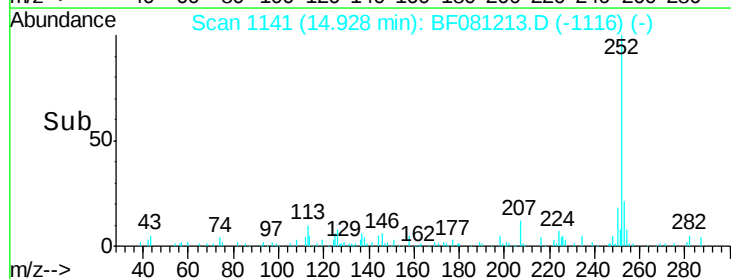
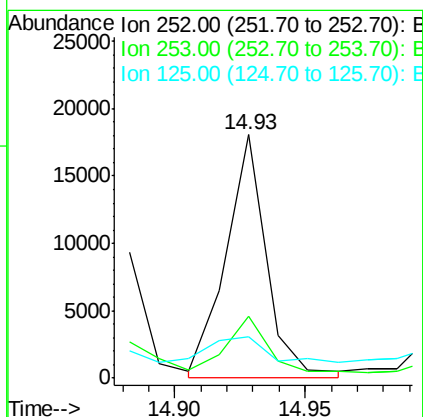
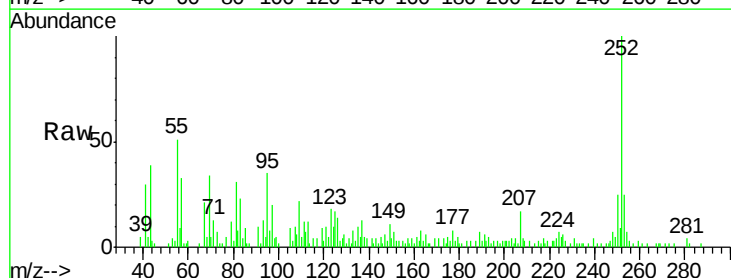
Instrument :
BNA_F
ClientSampleId :

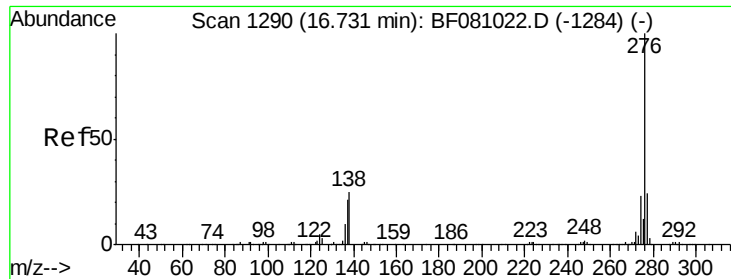
Tot Ion:252 Resp: 36806
Ion Ratio Lower Upper
252 100
253 24.8 17.6 26.4
125 16.9 10.3 15.5#



#89
Benzo(a)pyrene
Concen: 2.84 ng
RT: 14.93 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Tgt Ion:252 Resp: 19754
Ion Ratio Lower Upper
252 100
253 25.3 16.6 25.0#
125 17.0 7.8 11.8#

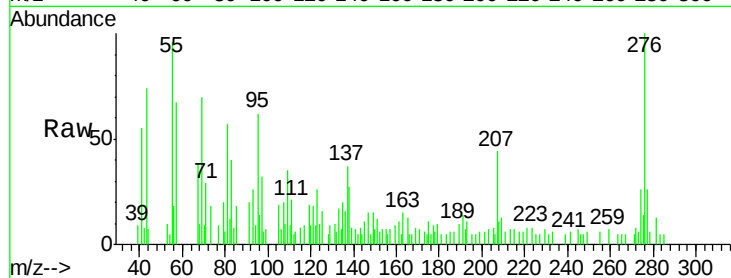




#91
 Benzo(a,h,i)perylene
 Concen: 2.11 ng
 RT: 16.51 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: BF081213.D
 Acq: 25 Aug 2015 22:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	26.1	18.2	27.2	
138	26.6	13.7	20.5	



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

